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NOTICE OF ALLOWANCE AND FEE(S) DUE

34408

7590

06/02/2008

THE ECLIPSE GROUP 10605 BALBOA BLVD., SUITE 300 GRANADA HILLS, CA 91344

EXAMINER				
PHU, PHUONG M				
ART UNIT	PAPER NUMBER			
2611				

DATE MAILED: 06/02/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,387	08/23/2001	Charles P. Norman	ST00015USU2	2456
THE E OF BUILDINGS.	NATION COMPRESSION	NE CDG GU GIGNIAL EO ALIDIO DANDRUDENI	(108-US-U2)	

TITLE OF INVENTION: ANALOG COMPRESSION OF GPS C/A SIGNAL TO AUDIO BANDWIDTH

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$0	\$0	\$720	09/02/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

ppropriate. All further ndicated unless correcte naintenance fee notifica	correspondence including below or directed oth tions.	g the Patent, advance or terwise in Block 1, by (a	rders and notification of a) specifying a new con	of ma	nintenance fees wondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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			-					(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
09/938,387	08/23/2001		Charles P. Norman		1		ST00015USU2	2456
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	JE .	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$0 T	_	\$0		\$720	09/02/2008
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PHU, PH		2611	375-324000					
. Change of correspondence address or indication of "Fee Address" (37 :FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a si registered attorney of 2 registered patent a	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl	less an assignee is identi h in 37 CFR 3.11. Comp	A TO BE PRINTED ON The filed below, no assignee eletion of this form is NO	data will appear on the	e pat an as	ent. If an assigne ssignment.			ocument has been filed for
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a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
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NOTE: The Issue Fee an	d Publication Fee (if requ		d from anyone other tha	_	-			e assignee or other party in
Authorized Signature					Date			
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This collection of inform n application. Confiden ubmitting the completed nis form and/or suggesti Sox 1450, Alexandria, V Nexandria. Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR (on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or ret estin idivic ficer, TO	tain a benefit by the nated to take 12 n dual case. Any co U.S. Patent and T THIS ADDRESS	ne publ ninutes nment Traden SENI	lic which is to file (and to complete, including to on the amount of time nark Office, U.S. Depa D TO: Commissioner for	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450,

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THE ECLIPSE (GROUP		PHU, PH	UONG M		
	BLVD., SUITE 300		ART UNIT	PAPER NUMBER		
GRANADA HILLS, CA 91344			2611			
			DATE MAILED: 06/02/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 583 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 583 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	09/938,387	NORMAN, CHARLES P.	
Notice of Allowability	Examiner	Art Unit	
	Phuong Phu	2611	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS	ears on the cover sheet with the (OR REMAINS) CLOSED in this a	correspondence address pplication. If not included	
herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	IGHTS. This application is subject		
1. \boxtimes This communication is responsive to <u>the RCE and IDS filed</u>	<u>d on 4/14/08</u> .		
2. The allowed claim(s) is/are <u>1-10</u> .			
3. \square Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:			
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have	• •		
3. Copies of the certified copies of the priority do	cuments have been received in this	s national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		y complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. \square CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review(PT0	D-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	-		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s)	E Notice of Informati	Detaut Application	
1. Notice of References Cited (PTO-892)	5. Notice of Informal	' '	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6.	ate	
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>4/14/08</u>	7. Examiner's Amend	dment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Staten	nent of Reasons for Allowance	
-	9.		

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DETAILED ACTION

1. This Office Action is responsive to the RCE and IDS filed on 4/14/08. Accordingly, claims 1-10 are currently pending.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

-Regarding to independent claim 1, none of prior art of record teaches or suggests an apparatus for compressing a GPS signal, as claimed. Barnard (5,241,561), previously cited, teaches the claimed apparatus except he fails to teach that the apparatus comprises a second mixer for receiving a carrier-removed GPS signal and a separately received frequency reference signal that is received at the apparatus separately from the GPS signal and outputting a resultant signal, as claimed. In light of specification of the instant application (figure 1 and col. 6, line 17 to col.. 7, lines 4), the separately received frequency reference signal is defined being a received signal (114), transmitted from a separate location and received at the apparatus, namely, not internally generated by the apparatus. Barnard does not teach such a separately received frequency reference signal received by the apparatus. Barnard teaches a second mixer for receiving a carrier-removed GPS signal and a frequency reference signal wherein the frequency reference signal, however, is internally generated by the apparatus. It would not have been obvious for one skilled in the art to implement Barnard for leading such the implementation to the claimed invention.

-Regarding to independent claim 5, none of prior art of record teaches or suggests a receiver comprising an antenna for receiving a GPS signal from a GPS satellite and for receiving radio signals over a radio link to a base station, the radio signals including a frequency reference

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signal; a second mixer for receiving a carrier-removed GPS signal, being derived from the GPS signal, and the frequency reference signal and outputting a resultant signal; a comb filter for filtering the resultant signal and obtaining a first output comprising filter lines; and a frequency shifter for shifting the filter lines to produce a compressed GPS signal.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The examiner can normally be reached on M-F (8:00 AM - 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Phuong Phu/ Primary Examiner, Art Unit 2611